

SEC. —. REQUIREMENT TO EXPEDITE REQUESTS FOR COST MODIFICATIONS TO DEPARTMENT OF DEFENSE CONTRACTS RESULTING FROM SUPPLY CHAIN CHALLENGES.

The Secretary of Defense shall expedite any request for a cost modification to a contract of the Department of Defense that results from supply chain challenges.

SA 4685. Mrs. BLACKBURN submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

Strike section 853 and insert the following:
SEC. 853. DETERMINATION WITH RESPECT TO OPTICAL FIBER FOR DEPARTMENT OF DEFENSE PURPOSES.

(a) DETERMINATION.—

(1) **IN GENERAL.**—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall review access, metro, and long-haul passive optical fiber and optical fiber cable that is manufactured or produced by an entity owned or partially owned by the People's Republic of China for potential inclusion on the list of covered communications equipment pursuant to section 2 of the Secure and Trusted Communications Networks Act of 2019 (47 U.S.C. 1601).

(2) **APPLICABILITY.**—If the Secretary of Defense makes a determination that any such optical fiber or optical fiber cable would pose an unacceptable risk to the national security of the United States or the security and safety of United States persons and should be included on the list, any such inclusion shall apply to such optical fiber or optical fiber cable deployed after such determination.

(b) **NOTIFICATION REQUIREMENT.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall notify the congressional defense committees of the findings of the review and determination required under subsection (a), publish the determination in the Federal Register, and submit that determination to the relevant Federal agencies, including the Department of Commerce and the Federal Communications Commission.

(c) **SAVINGS CLAUSE.**—No determination made under section (a) shall impact the current filing and reimbursement process for the Secure and Trusted Communications Networks Program at the Federal Communications Commission.

(d) DEFINITIONS.—In this section:

(1) The term “access” means optical fiber and optical fiber cable that connects subscribers (residential and business) and radio sites to a service provider.

(2) The term “long haul” means optical fiber and optical fiber cable that connects cities and metropolitan areas.

(3) The term “metro” means optical fiber and optical fiber cable that connects city business districts and central city and suburban areas.

(4) The term “passive” means unpowered optical fiber and optical fiber cable.

SA 4686. Mr. CORNYN (for himself and Mr. KING) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to

the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title X, insert the following:

SEC. —. STUDY ON SUPPLY CHAINS CRITICAL TO NATIONAL SECURITY.

Not later than 180 days after the date of the enactment of this Act, the Director of National Intelligence shall, in coordination with the Director of the Central Intelligence Agency and the heads of such elements of the intelligence community as the Director of National Intelligence considers appropriate—

(1) complete a study—

(A) to identify—

(i) supply chains that are critical to the national security, economic security, or public health or safety of the United States; and

(ii) important vulnerabilities in such supply chains; and

(B) to develop recommendations for legislative or administrative action to secure the supply chains identified under subparagraph (A)(i); and

(2) submit to the congressional intelligence committees (as that term is defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)), the Committee on Armed Services of the Senate, and the Committee on Armed Services of the House of Representatives the findings of the directors with respect to the study conducted under paragraph (1).

SA 4687. Mr. BENNET (for himself, Mr. HICKENLOOPER, and Mr. CRAMER) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle A of title XV, add the following:

SEC. 1516. RESEARCH AND EDUCATIONAL ACTIVITIES TO SUPPORT SPACE TECHNOLOGY DEVELOPMENT.

(a) **IN GENERAL.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Air Force and the Chief of Space Operations, in coordination with the Chief Technology and Innovation Office of the Space Force, may carry out research and educational activities to support space technology development.

(b) **ACTIVITIES.**—Activities carried out under subsection (a) shall support the research, development, and demonstration needs of the Space Force, including by addressing and facilitating the advancement of capabilities related to—

(1) space domain awareness;

(2) position, navigation, and timing;

(3) autonomy;

(4) data analytics;

(5) communications;

(6) space-based power generation;

(7) space applications for cybersecurity; and

(8) any other matter the Secretary of the Air Forces considers relevant.

(c) **EDUCATION AND TRAINING.**—Activities carried out under subsection (a) shall—

(1) promote education and training for students in order to support the future national security space workforce of the United States; and

(2) explore opportunities for international collaboration.

SA 4688. Ms. CORTEZ MASTO (for herself and Mr. DAINES) submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title X, insert the following:

SEC. —. NATIONAL SCIENCE AND TECHNOLOGY STRATEGY.

Title II of the National Science and Technology Policy, Organization, and Priorities Act of 1976 (42 U.S.C. 6611 et seq.) is amended by striking section 206 and inserting the following:

“SEC. 206. NATIONAL SCIENCE AND TECHNOLOGY STRATEGY.

“(a) **STRATEGY REQUIRED.**—Not later than the end of each calendar year immediately after the calendar year in which a review under section 206A(b) is completed, the Director of the Office of Science and Technology Policy, in consultation with the National Science and Technology Council, shall develop and submit to Congress a comprehensive national science and technology strategy of the United States to meet national research and development objectives for the following 4-year period (in this section referred to as the ‘national science and technology strategy’).”

“(b) **REQUIREMENTS.**—Each national science and technology strategy required by subsection (a) shall delineate a national science and technology strategy consistent with—

“(1) the recommendations and priorities developed pursuant to the review most recently completed under section 206A(b);

“(2) the most recent national security strategy report submitted pursuant to section 1032 of the National Defense Authorization Act for Fiscal Year 2012 (50 U.S.C. 3043);

“(3) other relevant national plans; and

“(4) the strategic plans of relevant Federal departments and agencies.

“(c) **CONSULTATION.**—The Director of the Office of Science and Technology Policy shall consult, as necessary, with the Director of the Office of Management and Budget and other appropriate elements of the Executive Office of the President to ensure that the recommendations and priorities delineated in the science and technology strategy are incorporated in the development of annual budget requests.

“(d) ANNUAL REPORTS.—

“(1) **IN GENERAL.**—The President shall submit to Congress each year a comprehensive report on the national science and technology strategy of the United States.

“(2) **CONTENTS.**—Each report submitted under paragraph (1) shall include a description of the following:

“(A) The strategic objectives and priorities necessary to maintain the leadership of the United States in science and technology and to advance science and technology to address